

What is claimed is:

**Claim 1.** An audio monitoring and signal processing apparatus including in combination:

- a) a plurality of audio signal inputs,
- b) a selector for selecting the audio signal which may be present at one of said inputs of a)
- c) a signal processing section responsive to process said selected signal of b) to provided a processed signal,
- d) a plurality of output circuits, each responsive to said processed signal of c) to output said processed signal in a known form,
- e) a monitor circuit responsive to said selected signal of b) and/or said processed signal of c) to provide audible and/or visible monitoring thereof.

**Claim 2.** An apparatus as claimed in claim 1 further including:

- f) parameters which are established in manufacture and/or by an operator wherein said elements b) and c) operate in response to said parameters such that the selecting of b) and/or the processing of c) may automatically change in response to at least one signal present on one said input of a).

**Claim 3.** An apparatus as claimed in claim 1 or 2 further including a mixing element operable to mix a second signal with said selected signal of b) as part of providing said processed signal of c).

**Claim 4.** An audio monitoring and signal conversion method including in combination:

- a) providing a plurality of audio signal input connections,
- b) selecting one of the audio signals which may be present at one of said input connections of a)

- c) processing said selected signal of b) to provided a processed signal,
- d) outputting said processed signal of c) to output said processed signal in a plurality of known forms,
- e) monitoring said selected signal of b) and/or said processed signal of c) in audible and/or visible form.

**Claim 5.** A method as claimed in claim 4 further including the step of:

- f) utilizing parameters which are established in manufacture and/or by an operator such that the selecting of step b) and/or the processing of step c) may automatically change in response to at least one signal present on one said input connection of a).

**Claim 6.** A method as claimed in claim 4 or 5 further including a mixing step operable to mix a second signal with said selected signal of b) as part of providing said processed signal of c).